SUBMITTAL AM076FNHDCH/AA

Samsung DVM S Series, HSP (High Static) Ducted Unit

Job Name _____ Location _____

Purchaser _____ Engineer _____

Submitted to _____ Reference ☐ Approval ☐ Construction ☐

Unit Designation _____ Schedule # _____

Specifications

Performance	Nominal Capacity	Cooling (Btu/h)	76,800 (59,200 SH)
		Heating (Btu/h)	85,200
	Condensate	Pints/Hour	29.08 (on high fan)
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Nominal Running Current (A)		3.8
Fan	Type		Sirocco (2)
	Motor	Type	BLDC (1)
		Output (W)	400
Airflow	CFM (UL)	H/M/L	2,048 / 1,836 / 1,660
External Static Pressure	Standard	"WC	0.59
	Min. / Max.	"WC	0.20 - 0.98
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Piping Connections	Liquid (flare)	Inches	3/8
	Suction (flare)	Inches	3/4
	Drain	Inches	OD 1 1/4, ID 1
Unit Dimensions	W X H X D	Inches	48 13/16 X 18 1/2 X 40 15/16
	Weight	lbs.	196
	Duct Connections (inches)	Supply	46 3/4 X 15 5/32
		Return	46 3/4 X 15 1/16
Sound Level	H / M / L	dB	45 / 43 / 41
Accessories	Condensate Pump		☐ MDP-N047SNC1D
	Filter Box		☐ FB-H7696
	External Contact Control		☐ MIM-B14
	Wireless Receiver Kit		☐ MRK-A10N
Safety Certifications			ETL & ETLc

Nominal cooling capacities are based on: Indoor temperature: 80 ^{0}F DB, 67^{0}F WB. Outdoor temperature: 95 ^{0}F DB, 75^{0}F WB.
Nominal heating capacities are based on: Indoor temperature: 70 ^{0}F DB, 60^{0}F WB. Outdoor temperature: 47 ^{0}F DB, 43^{0}F WB.
Samsung and Quietside maintains a policy of ongoing development, specifications are subject to change without notice.

- Compatible with Samsung DVM S and Mini DVM systems: AM***FXVA*R/AA and AM***FXVA*H/AA only.
- High-voltage terminal block temperature sensor to disable unit in the event overheating of power connection.
- Discharge air temperature sensor with target discharge temperature control capability (consult technical data books or Quietside Corporation for full details)

Construction
The unit shall be constructed of insulated, galvanized steel

Heat Exchanger
The heat exchanger shall be mechanically bonded fin to copper tube

Indoor Fan
Indoor fan is a twin, backward curved centrifugal type with a single fan motor

Three fan speed settings and auto setting

Controls
The unit shall be operated via a wireless or wired remote control with DDC type signal

The unit shall integrate with the Samsung NASA Controls Network Solution

Controls shall integrate with a BMS system

Control wiring shall be 2 X 16 AWG shielded wire

Air Filtration
The unit does not include an air filter as standard

Filtration is field provided/installed

Pressure drop across the filter must be factored into the total ESP.

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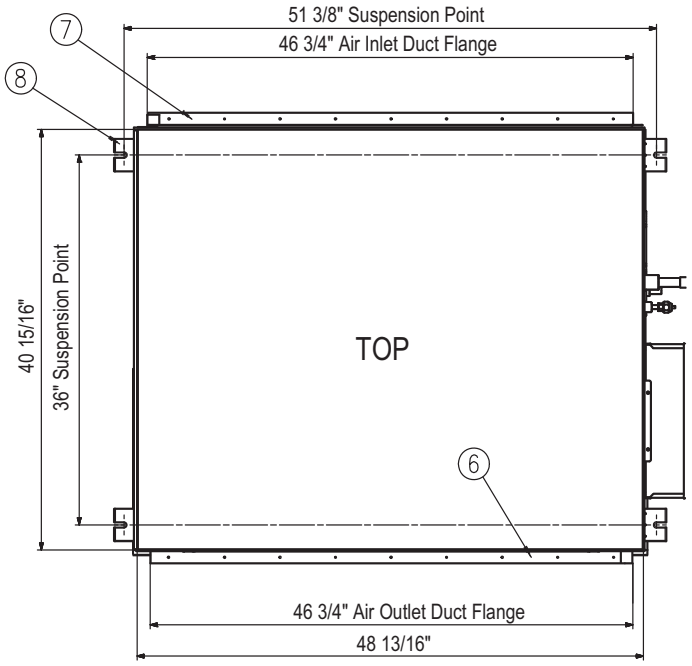
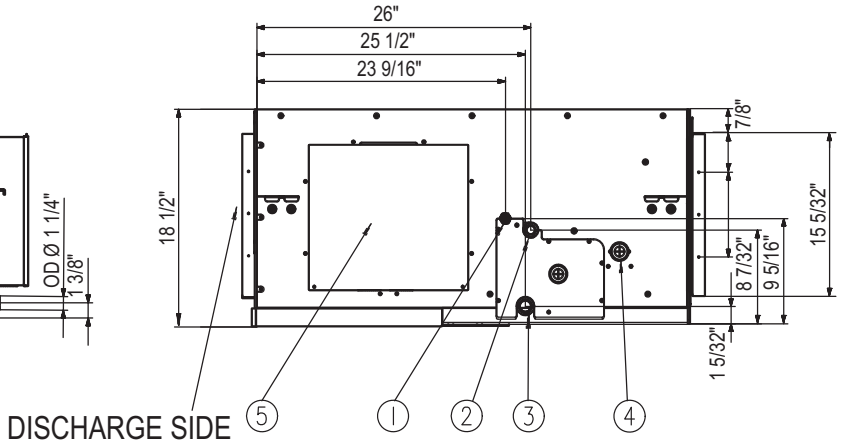
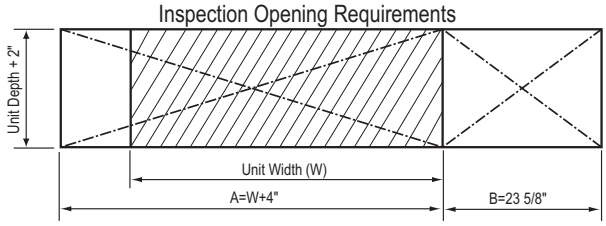


No.	Name	Description
①	Liquid pipe connection	Ø3/8" flare
②	Gas pipe connection	Ø3/4" braze
③	Drain pipe connection	OD Ø1 1/4", ID 1"
④	Drain connection for optional drain pump	OD Ø1 1/4", ID 1"
⑤	Control box, power/com. connection	-
⑥	Supply air flange	-
⑦	Return air flange	-
⑧	Support hook	3/8"

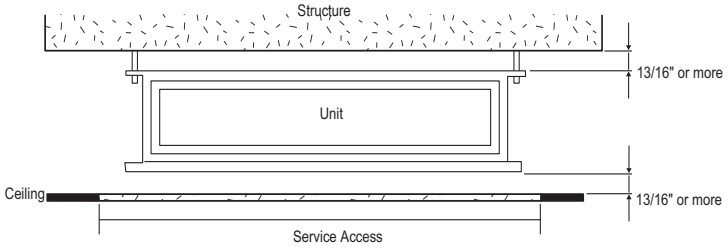


Inspection Opening Requirements



In applications where there is not a tile ceiling, an inspection hole is required.
If height between ceiling and structure is 3.25' or more, inspection opening "B" is recommended.
If height between ceiling and structure is less than 3.25', inspection opening "A" and "B" is recommended.
(verify state and local codes).

Unit Clearance From Structure



Fan Performance Data